

Converting Colors

XYZ(49.9075, 36.9341, 60.9985)

Have a look what the booklet for
XYZ(49.9075, 36.9341, 60.9985)
contains.

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Color

**XYZ(49.9075, 36.9341,
60.9985)**

Conversions

Conversions Part 1

Format	Color
Hex	E085CB
RGB	224, 133, 203
RGB Percent	88%, 52%, 80%
CMY	0.1216, 0.4784, 0.2039
CMYK	0.00, 0.41, 0.09, 0.12
HSL	314°, 59%, 70%
HSV	314°, 41%, 88%
XYZ	49.9075, 36.9341, 60.9985
YIQ	168.1890, 31.7660, 41.0620

Conversions

Conversions Part 2

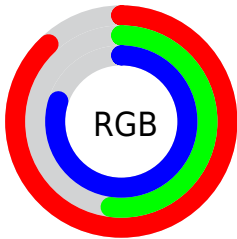
Format	Color
R _Y B	224, 133, 203
Decimal	14714315
CIE Lab	67.23, 44.64, -21.38
CIE LCh	67, 49.493, 334.410
Yxy	36.9341, 0.3376, 0.2498
Android (android.graphics.Color)	4292904395 (0xFFE085CB)
YUV	168.1890, 17.1618, 48.9462
Hunter-Lab	60.7734, 40.2317, -16.9682

Details

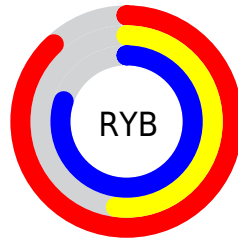
The XYZ color **49.9075, 36.9341, 60.9985** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **42.1629, 60.6322, 40.0552**, and the grayscale version is **37.2207, 39.1591, 42.6442**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **24.2298, 16.1227, 30.2687** is the 20% darker color. If you saturate the color by 10%, you get **46.5559, 31.1998, 56.8925**, and if you desaturate by 10%, it is **53.9359, 43.9878, 65.4322**.

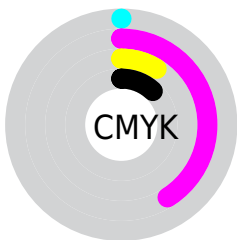
Distribution



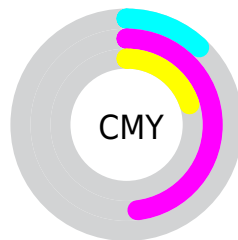
- Red (88%)
- Green (52%)
- Blue (80%)



- Red (88%)
- Yellow (52%)
- Blue (80%)



- Cyan (0%)
- Magenta (41%)
- Yellow (9%)
- Black (12%)



- Cyan (12%)
- Magenta (48%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9075, 36.9341, 60.9985 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 49.9075, 36.9341, 60.9985 by changing the saturation by 10% instead.


 49.9075, 36.9341,
60.9985


 49.9075, 36.9341,
60.9985


376.7621,
333.0251, 446.1749


 35.5574, 25.1565,
43.7934

 89.2305, 70.4714,
107.8343

 24.2611, 16.1937,
30.1721


 114.9340, 92.9999,
138.3020

 15.6532, 9.6613,
19.7161

 145.1528,
119.8808, 174.0278

 9.3684, 5.1750,
12.0068

180.2521,
151.4985, 215.4300

 5.0413, 2.3503,
6.6257

220.5973,
188.2374, 262.9273

 2.3065, 0.8001,
3.1543

266.5538,

 0.7980, 0.0000,

230.4818, 316.9382

1.1739

318.4870,
278.6163, 377.8812

■ 0.0000, 0.0000,
0.0000

■ 49.9075, 36.9341,
60.9985

■ 49.9075, 36.9341,
60.9985

■ 46.5559, 31.1998,
56.8925

■ 53.9359, 43.9878,
65.4322

■ 43.8353, 26.6958,
53.0968

■ 58.6760, 52.4323,
70.2051

■ 41.7001, 23.3301,
49.5957


■ 64.1644, 62.3400,
75.3308


■ 40.0964, 20.9956,
46.3701


■ 70.4343, 73.7768,
80.8211


■ 38.9601, 19.5644,
43.3978


■ 77.5167, 86.8045,
86.6874

 38.2166, 18.8378,
40.8055

 81.3547, 93.3090,
91.5782

 82.1086, 93.6106,
95.5480

 82.8843, 93.9209,
99.6328

 83.6820, 94.2400,
103.8337

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.9726, 36.9341, 85.2407



49.9075, 36.9341, 60.9985



51.6755, 36.9341, 37.0991

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.9075, 36.9341, 60.9985



33.9992, 36.9341, 11.3584



24.4303, 36.9341, 68.6120

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.9075, 36.9341, 60.9985



42.1629, 60.6322, 40.0552

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.5195, 36.9341, 43.5006



49.9075, 36.9341, 60.9985



27.5173, 36.9341, 14.7270

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.9075, 36.9341, 60.9985



41.7618, 36.9341, 13.1490



23.5633, 36.9341, 24.7865



29.1956, 36.9341, 90.6308

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.9075, 36.9341, 60.9985



50.0674, 36.9341, 25.3528



23.5633, 36.9341, 24.7865



23.4665, 36.9341, 59.9797

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49.9087, 36.9358, 60.9993



84.9369, 81.5600, 100.0225



34.9272, 28.9035, 74.2599



17.9643, 17.0666, 21.2114



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.9087, 36.9358, 60.9993



62.9792, 42.7385, 76.9993



45.3686, 35.1198, 37.0918



14.1526, 13.8787, 16.5739



22.2906, 10.9832, 23.9939



1.5784, 0.7746, 1.8388

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49.9087, 36.9358, 60.9993



62.9792, 42.7385, 76.9993



46.5480, 62.3862, 63.1470



14.1526, 13.8787, 16.5739



22.2906, 10.9832, 23.9939



1.5784, 0.7746, 1.8388

Previews

White Background



This preview shows how the XYZ color 49.9075, 36.9341, 60.9985 looks on a white background.

Color Contrast Check

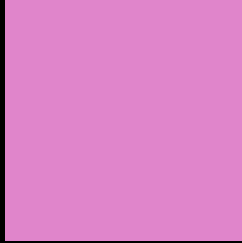
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.9075, 36.9341, 60.9985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

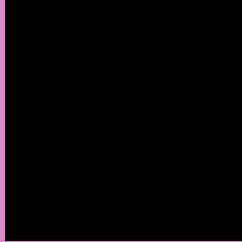
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9075, 36.9341, 60.9985

Background



This preview shows how black text looks on a background with the XYZ color 49.9075, 36.9341, 60.9985.



This preview shows how white text looks on a background with the XYZ color 49.9075, 36.9341,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49.9075, 36.9341, 60.9985

Protanopia

38.2289, 37.3335, 75.7122

Deuteranopia

37.8681, 37.0054, 58.5730



Tritanopia

44.5686, 36.8834, 35.3420

Trichromacy



Original Color

49.9075, 36.9341, 60.9985



Protanomaly

40.9168, 36.0898, 69.7752



Deuteranomaly

41.3393, 36.2971, 59.4708



Tritanomaly

46.1942, 36.6594, 43.6710

Monochromacy



Original Color

49.9075, 36.9341, 60.9985



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

40.8009, 37.4703, 48.7981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9075, 36.9341, 60.9985 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(224, 133, 203)` looks like.

```
.text, #text, p{  
    color:rgb(224, 133, 203)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(224, 133, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 133, 203) }
```

Border

The CSS property to change the border of an element to XYZ 49.9075, 36.9341, 60.9985 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 133, 203) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(224, 133, 203) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(224, 133, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 133, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 133, 203);  
box-shadow:4px 4px 4px 4px rgb(224, 133,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9075, 36.9341, 60.9985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 133, 203) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(224,  
133, 203) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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